

RAW SEQUENCE LISTING

**The Biotechnology Systems Branch of the Scientific and Technical
Information Center (STIC) no errors detected.**

Application Serial Number: 10/582,674
Source: IFWP
Date Processed by STIC: 6/22/06

ENTERED



IFWP

RAW SEQUENCE LISTING

DATE: 06/22/2006

PATENT APPLICATION: US/10/582,674

TIME: 12:44:40

Input Set : A:\sequence listing.txt

Output Set: N:\CRF4\06222006\J582674.raw

```

3 <110> APPLICANT: Perron, Herve
4      Eveno-Nobile, Anne
5      Portoukalian, Jacques
6      Battail-Poirot, Nicole
8 <120> TITLE OF INVENTION: Isolated cytotoxic factor associated with
multiple sclerosis and
9      method of detecting said cytotoxic factor
11 <130> FILE REFERENCE: 128125
C--> 13 <140> CURRENT APPLICATION NUMBER: US/10/582,674
C--> 15 <141> CURRENT FILING DATE: 2006-06-12
17 <150> PRIOR APPLICATION NUMBER: PCT/FR04/050748
19 <151> PRIOR FILING DATE: 2004-12-22
21 <160> NUMBER OF SEQ ID NOS: 3
23 <170> SOFTWARE: PatentIn version 3.1
25 <210> SEQ ID NO: 1
27 <211> LENGTH: 193
29 <212> TYPE: PRT
31 <213> ORGANISM: Artificial sequence
33 <220> FEATURE:
35 <221> NAME/KEY: Site
37 <222> LOCATION: 153
39 <223> OTHER INFORMATION: recombinant protein wherein Xaa is Val or Ala due
to polymorphism
41 <400> SEQUENCE: 1
43 Met Gln Ser Leu Met Gln Ala Pro Leu Leu Ile Ala Leu Gly Leu Leu
44 1          5          10          15
46 Leu Ala Ala Pro Ala Gln Ala His Leu Lys Lys Pro Ser Gln Leu Ser
47          20          25          30
49 Ser Phe Ser Trp Asp Asn Cys Asp Glu Gly Lys Asp Pro Ala Val Ile
50          35          40          45
52 Arg Ser Leu Thr Leu Glu Pro Asp Pro Ile Ile Val Pro Gly Asn Val
53          50          55          60
55 Thr Leu Ser Val Met Gly Ser Thr Ser Val Pro Leu Ser Ser Pro Leu
56 65          70          75          80
58 Lys Val Asp Leu Val Leu Glu Lys Glu Val Ala Gly Leu Trp Ile Lys
59          85          90          95
61 Ile Pro Cys Thr Asp Tyr Ile Gly Ser Cys Thr Phe Glu His Phe Cys
62          100         105         110
64 Asp Val Leu Asp Met Leu Ile Pro Thr Gly Glu Pro Cys Pro Glu Pro
65          115         120         125
67 Leu Arg Thr Tyr Gly Leu Pro Cys His Cys Pro Phe Lys Glu Gly Thr
68          130         135         140
W--> 70 Tyr Ser Leu Pro Lys Ser Glu Phe Xaa Val Pro Asp Leu Glu Leu Pro
71 145          150          155          160

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73 Ser Trp Leu Thr Thr Gly Asn Tyr Arg Ile Lys Ser Val Leu Ser Ser

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74 165 170 175
 76 Ser Gly Lys Arg Leu Gly Cys Ile Lys Ile Ala Ala Ser Leu Lys Gly
 77 180 185 190

80 Ile

84 <210> SEQ ID NO: 2

86 <211> LENGTH: 193

88 <212> TYPE: PRT

90 <213> ORGANISM: Artificial sequence

92 <220> FEATURE:

94 <221> NAME/KEY: Site

96 <222> LOCATION: 153

98 <223> OTHER INFORMATION: recombinant protein wherein Xaa is Val or Ala due
 to polymorphism

100 <400> SEQUENCE: 2

102 Met Gln Ser Leu Met Gln Ala Pro Leu Leu Ile Ala Leu Gly Leu Leu

103 1 5 10 15

105 Leu Ala Ala Pro Ala Gln Ala His Leu Lys Lys Pro Ser Gln Leu Ser

106 20 25 30

108 Ser Phe Ser Trp Asp Asn Cys Phe Glu Gly Lys Asp Pro Ala Val Ile

109 35 40 45

111 Arg Ser Leu Thr Leu Glu Pro Asp Pro Ile Ile Val Pro Gly Asn Val

112 50 55 60

114 Thr Leu Ser Val Met Gly Ser Thr Ser Val Pro Leu Ser Ser Pro Leu

115 65 70 75 80

117 Lys Val Asp Leu Val Leu Glu Lys Glu Val Ala Gly Leu Trp Ile Lys

118 85 90 95

120 Ile Pro Cys Thr Asp Tyr Ile Gly Ser Cys Thr Phe Glu His Phe Cys

121 100 105 110

123 Asp Val Leu Asp Met Leu Ile Pro Thr Gly Glu Pro Cys Pro Glu Pro

124 115 120 125

126 Leu Arg Thr Tyr Gly Leu Pro Cys His Cys Pro Phe Lys Glu Gly Thr

127 130 135 140

W--> 129 Tyr Ser Leu Pro Lys Ser Glu Phe Xaa Val Pro Asp Leu Glu Leu Pro

130 145 150 155 160

132 Ser Trp Leu Thr Thr Gly Asn Tyr Arg Ile Lys Ser Val Leu Ser Ser

133 165 170 175

135 Ser Gly Lys Arg Leu Gly Cys Ile Lys Ile Ala Ala Ser Leu Lys Gly

136 180 185 190

138 Ile

142 <210> SEQ ID NO: 3

144 <211> LENGTH: 193

146 <212> TYPE: PRT

148 <213> ORGANISM: Artificial sequence

150 <220> FEATURE:

152 <223> OTHER INFORMATION: recombinant protein

154 <400> SEQUENCE: 3

156 Met Gln Ser Leu Met Gln Ala Pro Leu Leu Ile Ala Leu Gly Leu Leu

157 1 5 10 15

159 Leu Ala Thr Pro Ala Gln Ala His Leu Lys Lys Pro Ser Gln Leu Ser

160 20 25 30

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Input Set : A:\sequence listing.txt

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```

162 Ser Phe Ser Trp Asp Asn Cys Phe Glu Gly Lys Asp Pro Ala Val Ile
163      35      40      45
165 Arg Ser Leu Thr Leu Glu Pro Asp Pro Ile Val Val Pro Gly Asn Val
166      50      55      60
168 Thr Leu Ser Val Val Gly Ser Thr Ser Val Pro Leu Ser Ser Pro Leu
169 65      70      75      80
171 Lys Val Asp Leu Val Leu Glu Lys Glu Val Ala Gly Leu Trp Ile Lys
172      85      90      95
174 Ile Pro Cys Thr Asp Tyr Ile Gly Ser Cys Thr Phe Glu His Phe Cys
175      100      105      110
177 Asp Val Leu Asp Met Leu Ile Pro Thr Gly Glu Pro Cys Pro Glu Pro
178      115      120      125
180 Leu Arg Thr Tyr Gly Leu Pro Cys His Cys Pro Phe Lys Glu Gly Thr
181      130      135      140
183 Tyr Ser Leu Pro Lys Ser Glu Phe Ala Val Pro Asp Leu Glu Leu Pro
184 145      150      155      160
186 Ser Trp Leu Thr Thr Gly Asn Tyr Arg Ile Glu Ser Val Leu Ser Ser
187      165      170      175
189 Ser Gly Lys Arg Leu Gly Cys Ile Lys Ile Ala Ala Ser Leu Lys Gly
190      180      185      190
192 Ile

```

RAW SEQUENCE LISTING ERROR SUMMARY
PATENT APPLICATION: US/10/582,674

DATE: 06/22/2006
TIME: 12:44:41

Input Set : A:\sequence listing.txt
Output Set: N:\CRF4\06222006\J582674.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:1; Xaa Pos. 153

Seq#:2; Xaa Pos. 153

VERIFICATION SUMMARY

PATENT APPLICATION: US/10/582,674

DATE: 06/22/2006

TIME: 12:44:41

Input Set : A:\sequence listing.txt

Output Set: N:\CRF4\06222006\J582674.raw

L:13 M:270 C: Current Application Number differs, Replaced Application Number

L:15 M:271 C: Current Filing Date differs, Replaced Current Filing Date

L:70 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:144

L:129 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:144